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PATENT COOPERATION TREATY



From the INTERNATIONAL SEARCHING AUTHORITY

To:
JOHN N. ANASTASI
WOLF, GREENFIELD & SACKS, P.C.
600 ATLANTIC AVENUE
BOSTON MA 02210

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

•	
	Date of Mailing (day/month/year) 26 DEC 2001
Applicant's or agent's file reference A0462/7014WO	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US01/29068	International filing date (day/month/year)
Applicant AGILENT TECHNOLOGIES, INC.	18 September 2001 (18.09.2001)
The applicant is hereby notified that the international search refiling of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims When? The time limit for filing such amendments is norm international search report; however, for more detailed.	ally 2 months from the data of annual set. IAN 4 2012
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the 2. The applicant is hereby notified that no international search re Article 17(2)(a) to that effect is transmitted herewith.	Annuities
3. With regard to the protest against payment of (an) additional the protest together with the decision thereon has been applicant's request to forward the texts of both the protest no decision has been made yet on the protest; the application of the protest against payment of (an) additional the protest to forward the texts of both the protest against payment of (an) additional the protest together with the decision thereon has been to applicate the protest against payment of (an) additional the protest together with the decision thereon has been together with the decision the decision that the decision thereon has been together with the decision thereon has been together	ransmitted to the International Bureau together with the est and the decision thereon to the designated Offices.
4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international applicant if the applicant wishes to avoid or postpone publication, a notice of priority claim, must reach the International Bureau as provided in a completion of the technical preparations for international publication.	Subject to PTA? YES NO per cocker ECB ation will be published by the International Bure 128/6/
Within 19 months from the priority date, a demand for international p wishes to postpone the entry into the national phase until 30 month. Within 20 months from the priority date, the applicant must perform the before all designated Offices which have not been elected in the designation.	s from the priority date (in some Offices even later).
priority date or could not be elected because they are not bound by	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT	Authorized officer JAMES KERVEROS
Washington, D.C. 20231 Facsimile No. (703) 305-3230 Drm PCT/ISA/220 (July 1998)	Telephone No. (703) 305-4900 Penes Poiston

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Ap _l	plicant's or ago 462/7014WO	ent's file reference	FOR FURTHER ACTION	see Notifi Report (Foitem 5 bel	cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable,	
	ernational appl T/US01/29068		International filing date (day/mont 18 September 2001 (18.09.2001)	h/year)	(Earliest) Priority Date (day/month/year) 18 September 2000 (18.09.2000)	
	plicant ILENT TECH	NOLOGIES, INC.			<u> </u>	
Thi	s international ording to Arti	search report has been cle 18. A copy is being	prepared by this International Sea transmitted to the International B	rching Au ureau.	thority and is transmitted to the applicant	
Thi	s international	search report consists of the search	of a total of $\underline{3}$ sheets. by a copy of each prior art docum	nent cited	in this report.	
1.	Basis of the I	egard to the language, the	he international search was carried o unless otherwise indicated under thi	out on the l	basis of the international application in the	
	the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form.					
	filed	together with the interna	ational application in computer read	able form.		
	furnished subsequently to this Authority in written form.					
	furn	ished subsequently to this	s Authority in computer readable for	rm.		
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.					
2.	Cert	Certain claims were found unsearchable (See Box I).				
3. 4.	Unit	Unity of invention is lacking (See Box II).				
٠,	With regard to the title, the text is approved as submitted by the applicant.					
•						
		ext has been established	by this Authority to read as follows:			
5.	With regard t	o the abstract,				
the text is approved as submitted by the applicant.						
	the to	ext has been established,	according to Rule 38.2(b), by this	Authority a	as it appears in Box III. The applicant may, rt, submit comments to this Authority.	
6.	The figure of	the drawings to be publ	ished with the abstract is Figure No	. <u>2</u>		
	as su	ggested by the applicant.		_	None of the figures	
	becau	ise the applicant failed to	suggest a figure.	*		
	becau	ise this figure better chai	racterizes the invention.			
		- <u> </u>				

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/29068

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

One embodiment of the invention comprises a multiport test set "MTS" that characterizes a multiterminal DUT (128). The multiport test set comprises a plurality of ports "N-ports", a signal generator (100) that provides a test signal over a frequency range, least one test channel receiver that measures the test signal at each port of the multiport test set. The multiport test set further least one test channel receiver, that couples the test signal generator, the plurality of ports of the multiport test set and the at receiver. The multiport test set further comprises a device for determining S-parameters [S] of the DUT from the test signal measurements at each port of the multiport test set and the reference value, and for converting the S-parameters to a time domain representation.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/29068

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01R 35/00 US CL : 324/601								
	According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED								
Minimum documentation searched (classification system followed by classification symbols) U.S.: 324/637, 638, 612, 615, 76.19; 702/85								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE								
C. DOC	UMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages Relevant to claim No.						
A	US 6,060,888 A (BLACKHAM et al) 09 May 2000 (09.05.2000), entire document. 1-76						
A	US 5,578,932 A (ADAMIAN) 26 November 1996 (2	6.11.1996), entire document. 1-76						
		·						
		•						
	• 00							
	·							
Further	documents are listed in the continuation of Box C.	See patent family annex.						
• s	pecial categories of cited documents:	"T" later document published after the international filing date or priority						
	t defining the general state of the art which is not considered to be ular relevance	date and not in conflict with the application but cited to understand the principle or theory underlying the invention						
-	oplication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone						
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination						
"O" documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art						
	t published prior to the international filing date but later than the late claimed	"&" document member of the same patent family						
Date of the a	ctual completion of the international search	Date of mailing of the international search report						
19 November	r 2001 (19.11.2001)	26 DE 6. 2001						
Name and mailing address of the ISA/US Authorized officer								
Commissioner of Patents and Trademarks Box PCT JAMES KERVEROS								
Washington, D.C. 20231 Facsimile No. (703) 305-3230 Telephone No. (703) 305-4900								
racsimile No), (/U3) JU3- <u>:</u> 323U	reseptions ito. (105) 505-4500 Marie VoTo.						

Form PCT/ISA/210 (second sheet) (July 1998)

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the -international-application.—It-should-however be-emphasized-that,-since-all-parts-of-the-international-application-(claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter IL

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

-The letter must indicate the differences between the claims as filed and the claims as amended. It must, in specifically indicate; in connection with each claim appearing in the international application (is being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

NOTES TO FORM PCT/ISA/220 (continued)

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4: [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

The statement should be brief, it should not exceed 500 words if in English or if translated into English.

It should not be confounded with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It should not contain any dispersion comments on the international search report or the relevance of citations contained in the report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

In what language?

The amendments must be made in the language in which the international application is published. The letter and any statement accompanying the amendments must be in the same language as the international application if that language is English or French; otherwise, it must be in English or French, at the choice of the applicant.

Consequence if a demand for international preliminary examination has already been filed?

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase?

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.